

DH-IPC-PDB4830-B360

4x2MP Panoramic Dome Network Camera



- Four 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- H.265&H.264 dual-stream encoding
- 25fps@2M(1920×1080)
- DWDR, Day/Night(Electronic), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.8 mm fixed lens (3.6mm optional)
- Micro SD memory, IP67, IK10, PoE



System Overview

The multi-sensor camera provides added flexibility for capturing wide area video surveillance. With four 2MP adjustable lenses can provide a flexible choice of the angle, the camera can replace multiple single-sensor cameras providing a higher return on investment. The multi-sensor camera features contrast, backlight compensation, white balance, and resolution control to create a crystal-clear image even in the most challenging lighting conditions.

Functions

Starlight Technology

Featuring Dahua's Starlight Technology, this camera is ideal for applications with challenging lighting conditions. Its low-light performance delivers usable video with minimal ambient light. Even in extreme low-light conditions, Starlight Technology is capable of delivering color images in near complete darkness (less than 0.01 lux).

Intelligent Video System (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, ideal for business intelligence, and Facial Detection, for searching or identification of individuals.

Environmental

With a temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

HEVC (H.265)

H.265 ITU-T VCEG is a new video coding standard. H.265 Following standard developed around the existing video coding standard H.264, some retain the original technology, while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream, encoding quality, and the delay between algorithm complexity, optimize settings specific contents include: Improve compression efficiency, improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay, reduce complexity, etc

Technical Specification

Camera

Image Sensor	Four 1/2.8" 2Megapixel progressive scan CMOS
Effective Pixels	1920(H)x1080(V)
RAM/ROM	1024MB/128MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s
Minimum Illumination	0.006Lux/F1.85(Color,1/3s,30IRE) 0.05Lux/1.85(Color,1/30s,30IRE) 0Lux/F1.85(IR on)
IR Distance	N/A
IR On/Off Control	N/A
IR LEDs	N/A

Lens

Lens Type	Fixed				
Mount Type	Board-in				
Focal Length	2.8mm;3.6mm				
Max. Aperture	F1.85				
Angle of View	H: 99° V:56°; V:87° ~47°				
Aperture Type	Fixed				
Close Focus Distance	0.5m(1.64ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	37m(121ft)	15m(49ft)	8m(26ft)	4m(13ft)
	3.6mm	53m(174ft)	21m(69ft)	11m(36ft)	5m(16ft)

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan:0°~360°; Tilt:0°~80°; Rotation:0°~355°
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Intelligence

Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, Ip address conflict, Illegal access, Storage anomaly
IVS	Tripwire, Intrusion

Video

Compression	H.265/H.264/H.264B/H.264H/MJPEG(sub stream)
Smart Codec	Support H.265+/H.264+
Streaming Capability	2 Streams
Resolution	1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/D1(704x576/704x480)/ CIF(352x288/352x240)
Frame Rate	Main Stream: 1080P(1~25fps)
	Sub Stream: D1(1~25fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32~8192Kbps H.265: 19~4608Kbps
Day/Night	Electronic
BLC Mode	BLC / HLC / DWDR
White Balance	Auto/Manual
Gain Control	Auto/Manual

Construction

Noise Reduction	3D DNR
Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization (EIS)	N/A
Smart IR	N/A
Defog	N/A
Digital Zoom	16x
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	G.711a/ G.711Mu/ AAC/ G.726/ MP2L2/ G.722
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Network

Ethernet	RJ-45 (100/1000Base-T)
Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP; QoS; UPnP; NTP; Bonjour; HTTPS; 802.1x; NAS
Interoperability	ONVIF Profile S&G, API, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users /20 Users
Edge Storage	NAS Local PC for instant recording Mirco SD card 256GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS, DMSS
Smart Phone	IOS, Android

Certifications

Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
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Interface

Video Interface	N/A
Audio Interface	1/1 channel In/Out
RS485	N/A
Alarm	1 channel In: 500mA 5VDC 1 channel Out: 1A 30VDC

Electrical

Power Supply	DC12V, PoE(802.3af)(Class 0)
Power Consumption	DC 12V: 5.3W 6.2W(H.265+DWDR+Audio+Alarm) PoE: 6.4W 7.4W(H.265+DWDR+Audio+Alarm)

Environmental

Operating Conditions	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +70° C (-22° F ~ +158° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Casing	Metal
Dimensions	71.5 mm×Φ159.1 mm
Net Weight	0.85kg (1.87lb)
Gross Weight	1.05kg (2.31lb)

Ordering Information		
Type	Part Number	Description
2MP camera	DH-IPC-PDB4830P-B360-E4-0280B	4x2MP Dome Network Camera, PAL
	DH-IPC-PDB4830N-B360-E4-0280B	4x2MP Dome Network Camera, NTSC
	IPC-PDB4830N-B360-E4-0280B	4x2MP Dome Network Camera, PAL
	IPC-PDB4830P-B360-E4-0280B	4x2MP Dome Network Camera, NTSC
	DH-IPC-PDB4830P-B360-E4-0360B	4x2MP Dome Network Camera, PAL
	DH-IPC-PDB4830N-B360-E4-0360B	4x2MP Dome Network Camera, NTSC
	IPC-PDB4830N-B360-E4-0360B	4x2MP Dome Network Camera, PAL
	IPC-PDB4830P-B360-E4-0360B	4x2MP Dome Network Camera, NTSC
Accessories (optional)	PFA101	Wall Mount
	PFA138	Junction Mount
	PFB300S	Wall Mount
	PFB300C	Ceiling Mount
	PFA152-E	Pole Mount
	PFB302S	Pole Mount

Accessories

Optional:



PFB300S



PFA152-E



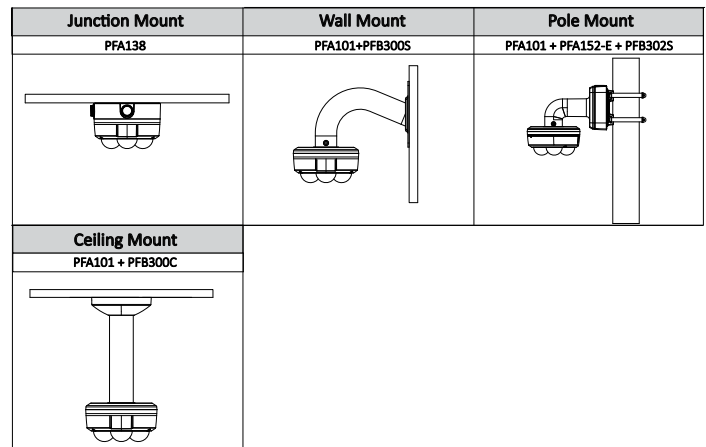
PFB302S



PFA101



PFB300C



Dimensions (mm/inch)

